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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/719,784	11/21/2003	Stephen R. Forrest	10644/60902	10644/60902 2938	
	7590 10/18/2007	EXAMINER			
KENYON & KENYON LLP ONE BROADWAY			BARTON, JEFFREY THOMAS		
NEW YORK, NY 10004			ART UNIT	PAPER NUMBER	
,			1795	,	
			NOTIFICATION DATE	DELIVERY MODE	
			10/18/2007	ELECTRONIC	

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

uspto@kenyon.com

## Advisory Action Before the Filing of an Appeal Brief

Application No.	Applicant(s)
10/719,784	FORREST ET AL.
Examiner	Art Unit

	Jeffrey T. Barton	1795	
The MAILING DATE of this communication appe	ars on the cover sheet with the o	orrespondence add	ress
THE REPLY FILED 01 October 2007 FAILS TO PLACE THIS A		•	
1.   The reply was filed after a final rejection, but prior to or on this application, applicant must timely file one of the follow places the application in condition for allowance; (2) a No a Request for Continued Examination (RCE) in compliance time periods:	the same day as filing a Notice of ving replies: (1) an amendment, af tice of Appeal (with appeal fee) in	Appeal. To avoid aba fidavit, or other evider compliance with 37 C	rce, which FR 41.31; or (3)
<ul> <li>a)</li></ul>	dvisory Action, or (2) the date set forth ater than SIX MONTHS from the mailin	g date of the final rejecti	on.
TWO MONTHS OF THE FINAL REJECTION. See MPEP 7	• •		
Extensions of time may be obtained under 37 CFR 1.136(a). The date have been filed is the date for purposes of determining the period of ex under 37 CFR 1.17(a) is calculated from: (1) the expiration date of the set forth in (b) above, if checked. Any reply received by the Office later may reduce any earned patent term adjustment. See 37 CFR 1.704(b) NOTICE OF APPEAL	tension and the corresponding amount shortened statutory period for reply orig than three months after the mailing da	of the fee. The approprinally set in the final Offi	ate extension fee ce action; or (2) as
<ol> <li>The Notice of Appeal was filed on A brief in comp filing the Notice of Appeal (37 CFR 41.37(a)), or any exte a Notice of Appeal has been filed, any reply must be filed AMENDMENTS</li> </ol>	nsion thereof (37 CFR 41.37(e)), to	avoid dismissal of th	
3. The proposed amendment(s) filed after a final rejection,	but prior to the date of filing a brief	will not be entered b	ecause
(a) They raise new issues that would require further co			
(b) They raise the issue of new matter (see NOTE belo	•	,,	
(c) They are not deemed to place the application in betappeal; and/or		ducing or simplifying	the issues for
(d) They present additional claims without canceling a		ected claims.	
NOTE: (See 37 CFR 1.116 and 41.33(a)).			
<ol> <li>The amendments are not in compliance with 37 CFR 1.1.</li> <li>Applicant's reply has overcome the following rejection(s)</li> </ol>		ompliant Amendment	(PTOL-324).
<ol> <li>Newly proposed or amended claim(s) would be all non-allowable claim(s).</li> </ol>	lowable if submitted in a separate,	timely filed amendme	nt canceling the
7. For purposes of appeal, the proposed amendment(s): a) how the new or amended claims would be rejected is protected. The status of the claim(s) is (or will be) as follows:		Il be entered and an e	explanation of
Claim(s) allowed: Claim(s) objected to:			
Claim(s) rejected:			
Claim(s) withdrawn from consideration:  AFFIDAVIT OR OTHER EVIDENCE			
<ol> <li>The affidavit or other evidence filed after a final action, but because applicant failed to provide a showing of good anwas not earlier presented. See 37 CFR 1.116(e).</li> </ol>			
9. The affidavit or other evidence filed after the date of filing entered because the affidavit or other evidence failed to of showing a good and sufficient reasons why it is necessar	vercome <u>all</u> rejections under appe	al and/or appellant fai	ls to provide a
10. ☐ The affidavit or other evidence is entered. An explanatio REQUEST FOR RECONSIDERATION/OTHER	n of the status of the claims after e	ntry is below or attact	ned
<ol> <li>The request for reconsideration has been considered bu <u>See Continuation Sheet.</u></li> </ol>	t does NOT place the application i	n condition for allowa	nce because:
12. Note the attached Information Disclosure Statement(s).  13. Other:	(PTO/SB/08) Paper No(s).		

Continuation of 11, does NOT place the application in condition for allowance because: Applicant argues that the ITO/metal stack of Forrest et al is much thicker and functions differently than the instant hole recombination zone. This is not persuasive because the cited structure of Forrest that corresponds to the instant recombination zone is not the stack, but the metal layer that is disclosed as being 100 Angstroms or less in thickness. Note that the broadly recited instant claim 18 does not in any way preclude a structure having indium tin oxide layers adjacent to such a structure. As to the function of the prior art structure as a recombination zone, inasmuch as carriers of opposite type (i.e. holes and electrons) will be injected into the metal layer from opposite sides in the series stack of Forrest et al, recombination of these carriers will clearly occur in the metal layer of Forrest et al. For these reasons, Applicant's arguments are not persuasive. Applicant broadly argues that there is no motivation to combine the references, without pointing out a single deficiency in the motivations clearly provided. Such arguments are spurious. Applicant argues against the double patenting rejections over both US 6,198,091 and 6,198,092 citing the recited electrodes of the patents. These arguments are not persuasive in that there is nothing in the instant claims to distinguish electrodes from the recombination zone. Adjacent cathodes and anodes of series connected solar cells clearly provide a zone for recombination, particularly in view of the structure taught by Forrest et al. Applicant further argues against the double patenting rejection over US 6,198,091 in view of Forrest et al for supposed requirement of parallel connection. Note that claim 5 cited by Applicant also requires series interconnection of the subassemblies. Applicant argues against the double patenting rejection over 10/822,774 and 10/910,371 in view of Forrest et al for supposed lack of the instant recombination zone. As argued above, the Examiner maintains that such a broadly recited recombination zone is obvious in view of Forrest et al.

SUPERVISORY PATENT EXAMINER TECHNOLOGY CENTER 1700